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Client Name:	Ecolab Inc., Cuautitlán Izcalli Plant
AWS Registration Number:	AWS-000271
Client Representative:	Anna Wertheim, Ecolab Sustainability Engineer – Global Supply Chain
Audit Team:	Rae Mindock, Lead Auditor Liliana Camacho Salazar, Local Auditor
Audit Dates:	December 7, 2021
Stakeholder Notification:	SCS and AWS Websites, Local Newspaper
Site Location:	Asociación Nacional de Industriales del Estado de México, Industrial Cuamatla, 54730 Cuautitlán Izcalli, Méx., México
Report Date:	January 21, 2021

Standard: AWS International Water Stewardship Standard - Version 2.0, March 22, 2019

Audit Type	☐ Gap Analysis ☐ Pre-assessment	☐ Initial Certification ☒ Remote Audit	☐ Surveillance ☐ Recertification
Level of Certification	☒ Core	☐ Gold	☐ Platinum

Site Information

Site Description

The Cuautitlán Izcalli plant is a manufacturing facility producing industrial cleaning and sanitizing chemical liquids for institutional, food, beverage and textile industries. The geographic scope of the site is limited to the property boundary of the facility. The facility is in an urban industrial setting.

Catchment Description

The Cuautitlán Izcalli plant is situated on about 7.8 acres. The Plant receives water from the Cuautitlán-Pachuca Aquifer. There are three sources: Operagua municipality well (10%), on-site rainwater harvesting system (5%) and water service truck provider (85%). Wastewater is discharged into municipal drains which ultimately discharges to the Río Cuautitlán. Additional water sources include harvested rainwater.

Shared Water Challenges

Shared water challenges are catchment water-related issues shared by the site and stakeholders. Stakeholder engagement was documented, and auditor interviews confirmed the topics of engagement. Primary water-related risks water quantity (scarcity), water quality, water infrastructure and finance. Implementation of a rainwater collection system, replacement of spray balls to optimize washout efficiency, reduction of water use in RO and DI systems regeneration, and installation of high-efficiency bathroom fixtures resulting in achieving their 7% water reduction goal. Ecolab has also teamed with TNC to plant trees in San Andres Tototeccpec.

Audit Attendees

Participant/Title	Opening Meeting	Document Review	Site Inspection	Closing Meeting
Sustainability Engineer, Global Supply Chain	X	X	X	X
Engineer	X	X	X	X
Plant Manager	X		X	X
Maintenance Supervisor	X		X	X
SHE Specialist	X		X	X
External Stakeholders: Operation Manager Comision de Cuenca Presa Guadalupe, Citizen of CCPG, Comision del Agua del Estado de Mexico (CAEM) Internal Stakeholders: Plant Manager, Engineer, Maintenance				

Supporting Documentation:
The Cuautitlán Izcalli plant provided documentation using SharePoint file share to support conformity with the AWS Standard v2.0 including: Indicator Responses Cuautitlán, Mexico document, Stakeholder Engagement and Outreach, Site and Catchment Water Balances, Water Risk Assessments, Water Management Tool, Cuautitlán Izcalli, Mexico Case Study and Water Stewardship Plan. The Water Stewardship Plan is a working document which is continually updated with information regarding how shared water challenges are being addressed included progress and performance evaluation. Other supporting documentation were also provided as evidence.

Summary of Findings

Step	Major	Minor	Observations	Advanced Criteria Total Points
1. Gather & Understand	0	0	1	
2. Commit & Plan	0	0	0	
3. Implement	0	0	1	
4. Evaluate	0	0	1	
5. Communicate & Disclose	0	0	0	
TOTAL	0	0	3	NA

Audit Non-conformities and Observations

Non-Conformity (Major or Minor) or Observation	Citation	Criteria/ Indicator	Due Date	Detail and Corrective Action
Observation	OBS 2022.01	1.5.3	NR	**OBS 2022.01 was issued**. Data is available to develop the catchment water balance. Continue to attempt to collect additional data to support and refine the water balance.
				Root Cause Analysis and Corrective Action Not required for observations.

Observation	OBS 2022.02	3.8.1	NR	**OBS 2022.02 was issued**. The site has been able to engage with several stakeholders, but has not received response from CONAGUA. The site should continue to attempt to engage with CONAGUA.
				Root Cause Analysis and Corrective Action Not required for observations.
Observation	OBS 2022.03	4.1.3	NR	**OBS 2022.03 was issued**. The site has provided shared value benefits to the catchment. As additional benefits are achieved, attempt to determine how value can be quantified.
				Root Cause Analysis and Corrective Action Not required for observations

Certification Decision

Auditor's recommendation for initial, continued or re-certification based on compliance with requirements:	X	Recommended
		Not Recommended
Level of Certification recommended	X	AWS Core
		AWS Gold
		AWS Platinum
SCS Certification Decision:	X	Approved
		Denied
Certification Decision by:		Shana Golden Shana Golden
Technical Review by:		Shana Golden Shana Golden
Decision Date:		January 31, 2022
Surveillance Schedule:		Next audit is scheduled for: December 2022 12 Month Surveillance

AWS International Water Stewardship Standard, Version 2.0, March 22, 2019

Surveillance audits shall cover at a minimum those requirements highlighted in light green.

STEP 1: Gather and Understand

Criteria	Indicator	Yes	No	NA	Objective Evidence/Finding	Points
1.1 Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.	1.1.1 The physical scope of the site shall be ***mapped***, considering the regulatory landscape and zone of stakeholder interests, including: - Site boundaries; - Water-related infrastructure, including piping network, owned or managed by the site or its parent organization; - Any water sources providing water to the site that are owned or managed by the site or its parent organization; - Water service provider (if applicable) and its ultimate water source; - Discharge points and waste water service provider (if applicable) and ultimate receiving water body or bodies; - Catchment(s) that the site affect(s) and is reliant upon for water.	Yes			The Ecolab Cuautitlan Plant is located near Mexico City, Mexico. The Plant produces industrial cleaning and sanitizing products using batch processing. The physical scope of the site was mapped, including property boundaries, onsite water to site and discharge from site. Details of water-related infrastructure were provided. The Plant receives water from the Cuautitlán-Pachuca Aquifer. There are three sources: Operagua municipality well (10%), on-site reainwater harvesting system (5%) and water service truck provider (85%). Wastewater is discharged into municipal drains which ultimately discharges to the Río Cuautitlán. No water sources are owned or managed by the organization.	
1.2 Understand relevant stakeholders, their water related challenges, and the site's ability to influence beyond its boundaries.	1.2.1 Stakeholders and their water-related challenges shall be ***identified***. The process used for stakeholder identification shall be ***identified***. This process shall: - Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people;	Yes			The stakeholders and water-related challenges were identified. The stakeholders were summarized, and the process was identified. The list includes ranking of stakeholder influence and interest with levels of influence and interest defined. The information provided was consistent with indicator requirements.	

	- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies; - Provide evidence of stakeholder consultation on water-related interests and challenges; - Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups; - Identify the degree of stakeholder engagement based on their level of interest and influence.					
	1.2.2 Current and potential degree of influence between site and stakeholder shall be ***identified***, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.	Yes			Stakeholders are related to the site's catchment and identifies the stakeholders' ability to influence or be influenced. Influence/Interest is characterized.	
1.3 Gather water-related data for the site, including: water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.	1.3.1 Existing water-related incident response plans shall be ***identified***.	Yes			PDN-001-Inundacion-Cuautitlan, PDN-002-Sequia-Cuautitlan and Procedimento de respuesta a emergencia Planta Cuautitlan were reviewed. Incident response was addressed in the plans.	
	1.3.2 Site water balance, including inflows, losses, storage, and outflows shall be ***identified*** and ***mapped***.	Yes			Water maps containing inputs and outputs of water for the multiple operations at the facility were provided. Data showing annual water inflows, outflows, water to production and effluent water was reviewed. The map indicates water sources, water treatment, process units, wastewater treatment and production.	
	1.3.3 Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be ***quantified***. Where there is a water-related challenge that would be a threat to good water balance for people	Yes			Water maps were provided comparing seasonal water use, effluent seasonality, and production seasonality on a monthly basis. A comparison of production volume versus water use on a monthly was also provided indicating high and low variances.	

	or environment, an indication of annual high and low variances shall be ***quantified***.					
	1.3.4 Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be ***quantified***. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be ***quantified***.	Yes			The water quality data was provided for incoming water (external analysis annually, internal analysis daily), outgoing water (external analysis annually), with receiving water body quality provided with catchment data.	
	1.3.5 Potential sources of pollution shall be ***identified*** and if applicable, ***mapped***, including chemicals used or stored on site.	Yes			A list of the chemicals stored at the site was provided as a list from site SAP. It was noted that chemical inventories vary on a daily basis. The chemicals storage located within the Plant were mapped on the General Layout drawing.	
	1.3.6 On-site Important Water-Related Areas shall be ***identified*** and ***mapped***, including a description of their status including Indigenous cultural values.	Yes			There are no on-site IWRAs.	
	1.3.7 Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-related value generated by the site shall be ***identified*** and used to inform the evaluation of the plan in 4.1.2.	Yes			Site level costs were presented including costs to implement water stewardship actions and factory-related costs were provided and reviewed. The shared value generated included examples such as partnership with local organizations jointly promoting water stewardship.	
	1.3.8 Levels of access and adequacy of WASH at the site shall be ***identified.***	Yes			WASH is available on-site with potable water, toilets and locker room for employees and visitors.	
1.4 Gather data on the site's indirect water use, including: its primary inputs; the water use	1.4.1 The embedded water use of primary inputs, including quantity, quality and level of water risk within the site's catchment, shall be ***identified.***	Yes			A list of primary inputs for outsourced services was provided with designation of location. Information on water source with annual water consumption values, and origin for each input was provided.	

embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be ***identified***); and water used in out-sourced water-related services.	1.4.2 The embedded water use of outsourced services shall be ***identified***, and where those services originate within the site's catchment, ***quantified***.	Yes			There is no outsourced services that the factory is responsible for.	
1.5 Gather water-related data for the catchment, including: water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH	1.5.1 Water governance initiatives shall be ***identified***, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.	Yes			A list of significant publicly-led initiatives and water-related public policy goals for the catchment was provided and summarized.	
	1.5.2 Applicable water-related legal and regulatory requirements shall be ***identified***, including legally-defined and/or stakeholder-verified customary water rights.	Yes			Information on multiple regulatory requirements was provided.	
	1.5.3 The catchment water-balance, and where applicable, scarcity, shall be ***quantified***, including indication of annual, and where appropriate, seasonal, variance.	Yes			The catchment water balance with precipitation, groundwater and purchased water were provided. The various information used was described in detail. The catchment is noted as being in deficit. **OBS 2022.01 was issued**. Data is available to develop the catchment water balance. Continue to attempt to collect additional data to support and refine the water balance.	
	1.5.4 Water quality, including physical, chemical, and biological status, of the catchment shall be ***identified***, and where possible, ***quantified***. Where there is a water-related challenge that would be a threat to good water quality status for	Yes			Water quality data for both groundwater and surface water for the catchment was provided and reviewed.	

	people or environment, an indication of annual, and where appropriate, seasonal, high and low variances shall be ***identified***.					
	1.5.5 Important Water-Related Areas shall be ***identified,*** and where appropriate, ***mapped***, and their status assessed including any threats to people or the natural environment, using scientific information and through stakeholder engagement.	Yes			IWRAs have been identified and mapped on various figures, along with a description of their water-related issues and status.	
	1.5.6 Existing and planned water-related infrastructure shall be ***identified***, including condition and potential exposure to extreme events.	Yes			A list of publicly available reports/data of water-related infrastructure with a description, exposure scenarios and opportunities.	
	1.5.7 The adequacy of available WASH services within the catchment shall be ***identified***.	Yes			WASH for the catchment is adequate based on information provided in *Situación del Subsector Agua Potable, Alcantarillado y Saneamiento edición 2020 published by CONAGUA* indicating that there is 91.4 % to 95% availability of potable water and sanitation.	
1.6 Understand current and future shared water challenges in the catchment, by linking the water challenges ***identified*** by stakeholders with the site's water challenges.	1.6.1 Shared water challenges shall be ***identified*** and prioritized from the information gathered.	Yes			A prioritized list with rationale of shared water challenges was provided and reviewed with risks of water scarcity, water quality and ecosystem degradation. Water Risk Filter provided operational related risk and basin related risk.	
	1.6.2 Initiatives to address shared water challenges shall be ***identified***.	Yes			A list of initiatives was provided and reviewed including rain harvesting system at the plant and monitoring water quality of incoming water.	
1.7 Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting	1.7.1 Water risks faced by the site shall be ***identified***, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs and business impact.	Yes			A prioritized list of water risks was provided and reviewed. Water risks matched shared water challenges. Water Risk Monetizer was used to evaluate and monetize risks.	

the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends ***identified*** in 1.6.	1.7.2 Water-related opportunities shall be ***identified***, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.	Yes			A prioritized list of water-related opportunities was provided for the site and match the shared water challenges and water risks lists.	
1.8 Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.	1.8.1 Relevant catchment best practice for water governance shall be ***identified***.	Yes			The site has implemented water management tools that provide practices and scores for governance, water balance (quantity) and water quality.	
	1.8.2 Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be ***identified***.	Yes			The site has implemented water management tools that provide practices and scores for governance, water balance (quantity) and water quality.	
	1.8.3 Relevant sector and/or catchment best practice for water quality shall be ***identified***, including rationale for data source.	Yes			The site has implemented water management tools that provide practices and scores for governance, water balance (quantity) and water quality.	
	1.8.4 Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be ***identified***.	Yes			The site has engaged in local stewards and organizations providing time and resources to nature-based solutions.	
	1.8.5 Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be ***identified***.	Yes			The site practices Hazard Analysis Critical Control Point management practices. The site also uses the WBCSD WASH assessment.	
					Advanced Points Step 1	

STEP 2: Commit and Plan

Criteria	Indicator	Yes	No	NA	Objective Evidence/Findings	Points
2.1 Commit to water stewardship by having the senior-most manager in charge of water at the site,	2.1.1 A signed and publicly ***disclosed*** site statement OR organizational document shall be ***identified***. The statement or	Yes			A pledge, signed by the site factory manager, was reviewed containing the elements described in this indicator.	

or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.	document shall include the following commitments: - That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes - That the site implementation will be aligned to and in support of existing catchment sustainability plans - That the site's stakeholders will be engaged in an open and transparent way - That the site will allocate resources to implement the Standard.					
2.2 Develop and document a process to achieve and maintain legal and regulatory compliance.	2.2.1 The system to maintain compliance obligations for water and wastewater management shall be ***identified***, including: - Identification of responsible persons/positions within facility organizational structure - Process for submissions to regulatory agencies.	Yes			The site RACI was provided and reviewed. The permits and responsible staff to ensure compliance are included. The individual responsible for wastewater negotiation and renewal is identified.	
2.3 Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.	2.3.1 A water stewardship strategy shall be ***identified*** that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.	Yes			A water stewardship strategy statement signed was provided and reviewed. The strategy is a high-level document stating the overall strategy is in alignment with the AWS requirements.	
	2.3.2 A water stewardship plan shall be ***identified*,** including for each target: - How it will be measured and monitored - Actions to achieve and maintain (or exceed) it	Yes			A detailed water stewardship plan was created as part of the AWS process. The plan is a working document broken into objectives, targets, and actions. There are different actions corresponding to different targets, each with their own metrics, budget, responsible person, status, and other criteria. Modifications to the plan are captured through revisions and	

	- Planned timeframes to achieve it - Financial budgets allocated for actions - Positions of persons responsible for actions and achieving targets - Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.				comments. An annual review is part of standard procedures to evaluate effectiveness and document continual improvement.	
2.4 Demonstrate the site's responsiveness and resilience to respond to water risks	2.4.1 A plan to mitigate or adapt to ***identified*** water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be ***identified***.	Yes			The Water Stewardship Plan is a working document which documents identification of water risks through performance, evaluation, and stakeholder consultation. Stakeholders include the relevant public-sector agencies responsible for infrastructure.	
					Advanced Points Step 2	

STEP 3: Implement

Criteria	Indicator	Yes	No	NA	Objective Evidence/Findings	Points
3.1 Implement plan to participate positively in catchment governance.	3.1.1 Evidence that the site has supported good catchment governance shall be ***identified***.	Yes			The site provided documentation of their efforts to support good catchment governance through participation with the local governing agencies, sharing information with agencies and through continuing to expand education on good water governance.	
	3.1.2 Measures ***identified*** to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be ***implemented***.	Yes			The site receives its water from a private source and municipal supply. There were no documented indigenous populations identified within the catchment.	
3.2 Implement system to comply with water-related legal and regulatory requirements and respect water rights.	3.2.1 A process to verify full legal and regulatory compliance shall be ***implemented***.	Yes			The Legal Matrix was provided and reviewed. Included in the matrix are the listed permits and responsible staff to ensure maintenance of compliance.	
	3.2.2 Where water rights are part of legal and regulatory requirements, measures ***identified*** to respect the water rights of others including Indigenous peoples, shall be ***implemented***.	Yes			The site receives its water from a private source and municipal supply and does not infringe on the rights of indigenous peoples.	

3.3 Implement plan to achieve site water balance targets.	3.3.1 Status of progress towards meeting water balance targets set in the water stewardship plan shall be ***identified***.	Yes			Water use for the processes are tracked monthly and compared to historical use and target values. The site has worked to improve its water efficiency as per its targets.	
	3.3.2 Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be ***implemented***.	Yes			Ecolab establishes site targets annually to improve water balance towards improving efficiency and strives to reduce volumetric total.	
	3.3.3 Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural or environmental needs shall be ***identified***.	Yes			The site is not re-allocating water savings.	
3.4 Implement plan to achieve site water quality targets.	3.4.1 Status of progress towards meeting water quality targets set in the water stewardship plan shall be ***identified***.	Yes			Measurement system is in place for water quality targets as identified by permit requirements. Wastewater results are within permitted values. The plant is engaged in water harvesting and is working on projects to address water quality of harvest water.	
	3.4.2 Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be ***identified*** and where applicable, ***quantified***.	Yes			Water quality is a shared water challenge and an AWS Outcome. Improvements to water quality are achieved through monitoring, management and replenishment goals.	
3.5 Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.	3.5.1 Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be ***implemented***.	Yes			No IWRAs are present at the site.	
3.6 Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all	3.6.1 Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be ***identified*** and where applicable, ***quantified***.	Yes			The facility provided information documenting adequate provision of WASH for on-site workers. In addition, the site is working on providing WASH outside of work.	

workers at all premises under the site's control.	3.6.2 Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for Indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.	Yes			The site is in an urban area utilizing a private water source and public water supplies and treatment. Information provided indicates WASH is generally available and indigenous lands are not present.	
3.7 Implement plan to maintain or improve indirect water use within the catchment.	3.7.1 Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be ***quantified***.	Yes			There is no indirect water usage.	
	3.7.2 Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be ***identified.***	Yes			There is no indirect water usage.	
3.8 Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have.	3.8.1 Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be ***identified.***	Yes			Evidence of attempts to engage stakeholder was provided including successful engagement with Comisión de Agua Estado de México and Comisión Cuenca de la Presa Guadalupe, but not successful with CONAGUA. **OBS 2022.02 was issued**. The site has been able to engage with several stakeholders, but has not received response from CONAGUA. The site should continue to attempt to engage with CONAGUA.	
3.9 Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a	3.9.1 Actions towards achieving best practice, related to water governance, as applicable, shall be ***implemented***.	Yes			The site uses water management tools to evaluate governance and other stewardship parameters. The site has been able to achieve higher scores by addressing gaps identified by the tools.	
	3.9.2 Actions towards achieving best practice, related to targets in terms of water balance shall be ***implemented***.	Yes			The site uses water management tools to evaluate governance and other stewardship parameters. The site has been able to achieve higher scores by addressing gaps identified by the tools.	

local/catchment, regional, or national relevance.	3.9.3 Actions towards achieving best practice, related to targets in terms of water quality shall be ***implemented***.	Yes			The site uses water management tools to evaluate governance and other stewardship parameters. Permit compliance has been identified as best practice, also compliance with Ecolab's Global Supply Chain Environmental Policy.	
	3.9.4 Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be ***implemented***.	Yes			Ecolab has participated with local volunteer efforts to improve IWRAs including planting trees within the catchment.	
	3.9.5 Actions towards achieving best practice related to targets in terms of WASH shall be ***implemented***.	Yes			The site is working to improve WBSCD WASH scores with improvements of WASH procedures within the facility.	
					Advanced Points Step 3	

STEP 4: Evaluate

Criteria	Indicator	Yes	No	NA	Objective Evidence/Findings	Points
4.1 Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.	4.1.1 Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be ***evaluated.***	Yes			Ecolab has evaluated performance of the Stewardship Plan which is aligned with realizing the AWS Outcomes. Targets established in the Plan are tracked based on multiple actions with measurable metrics, documentation of stakeholder engagement, and evaluation of changes in water risk for each target. Ecolab has established a corporate target of 10% per ton of product by 2020 (2016 baseline). The Site has achieved a 7% reduction by 2020.	
	4.1.2 Value creation resulting from the water stewardship plan shall be ***evaluated.***	Yes			Ecolab has created value related to multiple efforts and evaluated using the water risk monetizer with risk adjusted water savings for site is $61,000 USD.	
	4.1.3 The shared value benefits in the catchment shall be ***identified*** and where applicable, ***quantified.***	Yes			Water scarcity issues were addressed, and shared value was accomplished through alternative water collection. **OBS 2022.03 was issued**. The site has provided shared value benefits to the catchment. As additional benefits are achieved, attempt to determine how value can be quantified.	
4.2 Evaluate the impacts of water-related emergency	4.2.1 A written annual review and (where appropriate) root-cause analysis of the	Yes			No water-related emergency events occurred. Four Tier 3 process safety events occurred in the past year. Appropriate process safety reviews,	

incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.	year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be ***evaluated*** and proposed preventative and corrective actions and mitigations against future incidents shall be ***identified.***				corrective and preventative actions were conducted. No shutdown occurred that was water related.	
4.3 Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.	4.3.1 Consultation efforts with stakeholders on the site's water stewardship performance shall be ***identified***.	Yes			Internal and external stakeholder outreach conducted and documented in the stakeholder files. Responses covered the main topics of the catchment areas and water savings projects.	
4.4 Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.	4.4.1 The site's water stewardship plan shall be modified and adapted to incorporate any relevant information and lessons learned from the evaluations in this step and these changes shall be ***identified.***	Yes			The Water Stewardship Plan is a working document updated annually to reflect on-going actions and completed projects. The Plan tracks targets and actions tied to best practice and AWS outcomes addressed. Performance and stakeholder consultation with respect to the projects are included.	
					Advanced Points Step 4	

STEP 5: Communicate and Disclose

Criteria	Indicator	Yes	No	NA	Objective Evidence/Findings	Points
5.1 Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.	5.1.1 The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be ***disclosed***.	Yes			Ecolab posts Case Study: Cuautitlan Izcalli Mexico plantt on the Ecolab website. The Case Study provides a description of site and corporate level personnel responsible for water-related internal governance.	

5.2 Communicate the water stewardship plan with relevant stakeholders.	5.2.1 The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.	Yes			Ecolab posts Case Study: Cuautitlan Izcalli Mexico plant Certification of Alliance for Water Stewardship (AWS) Standard Version 2.0 on the Ecolab website. The Case Study summarizes the Water Stewardship Journey, performance and outcomes.	
5.3 Disclose annual site water stewardship summary, including the relevant information about the site's annual water stewardship performance and results against the site's targets.	5.3.1 A summary of the site's water stewardship performance, including ***quantified*** performance against targets, shall be ***disclosed*** annually at a minimum.	Yes			Refer to 5.2.1	
5.4 Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.	5.4.1 The site's shared water-related challenges and efforts made to address these challenges shall be ***disclosed***.	Yes			Ecolab posts Case Study, Ecolab Cuautitlan Izcalli Mexico Plant Certification of Alliance for Water Stewardship (AWS) Standard Version 2.0 on the Ecolab website. The Case Study provides a description of shared water-related challenges and current actions.	
	5.4.2 Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be ***identified.***	Yes			See 5.4.1	
5.5 Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.	5.5.1 Any site water-related compliance violations and associated corrections shall be ***disclosed.***	Yes			There were no site water-related compliance violations disclosed by the facility. See 5.4.1.	
	5.5.2 Necessary corrective actions taken by the site to prevent future occurrences shall be ***disclosed*** if applicable.	Yes			See 5.5.1	
	5.5.3 Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and ***disclosed.***	Yes			There were no water related violations. See 5.4.1.	